

# PATENT ABSTRACTS OF JAPAN

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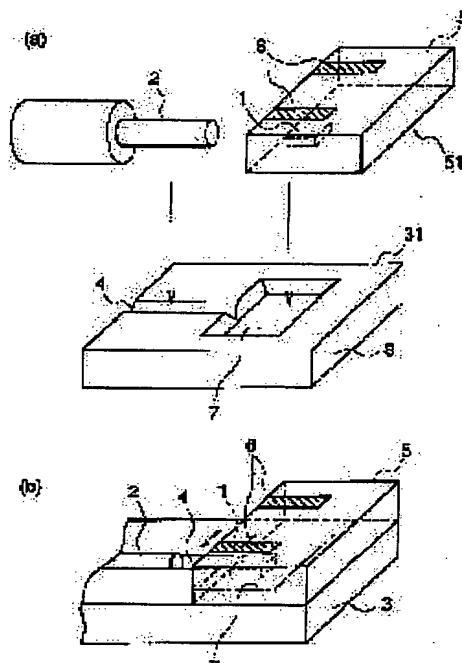
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## (54) OPTICAL MODULE

### (57) Abstract:

**PROBLEM TO BE SOLVED:** To realize a high light coupling efficiency equivalent to that of the conventional active alignment with a simple structure.

**SOLUTION:** An LD mounted substrate 5 on whose surface 51 an LD 1 is attached is fitted on a guide substrate 3 provided with a guide groove 4 in whose internal part an optical fiber 2 is held and a recessed groove 7 continuing to the terminal part of the guide 4 so that the LD 1 is contained while the surface 51 is made to be a lower side and it has a space in the recessed groove 7 in a state that it is adjusted to be at the maximum position of a light output by making the surface 51 be in contact with the upper surface 31 of the guide substrate 31 and by moving the guide substrate 31 and the LD mounted substrate 5 relatively in a surface direction.



## LEGAL STATUS

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